StyleCam ™

Digital Camera with *Streaming Snapshot* ™

Owner's Manual

SiPix ™

About this manual

This manual is designed to assist you in using the SiPix StyleCam Digital Camera with Streaming Snapshot Mode. Information in this document has been carefully checked for accuracy. However, no guarantee is given to the correctness of the contents. The information in this document is subject to change without notice.

Edition

First Edition, September 2001

Copyright

Federal Communications Commission (FCC) Compliance

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Warning: A shielded-type power cord is required in order to meet FCC emission limits and to prevent interference to the nearby radio and television reception. Use only shielded cables to connect I/O devices to this equipment.

You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

Declaration of conformity

This device complies with part 15 of the FCC rules. Operation is subject to the following conditions:

- ♦ This device may not cause harmful interference.
- ♦ This device must accept any interference received, including interference that may cause undesired operation.

Canadian Department of Communications

This class B digital apparatus meets all requirements of the Canadian Interference-causing Equipment Regulations.

Cet appareil numérique de la classe B respecte toutes les exigences du Réglement sur le matériel brouilieur du Canada.

Trademark recognition

Microsoft MS-DOS and Windows are registered trademarks of Microsoft Corp.

Other product names used in this manual are the properties of their respective owners and hereby acknowledged.

Safety and handling precautions

Camera information

- ♦ Do not disassemble or attempt to service the camera yourself.
- ♦ Do not expose the camera to moisture, or extremes in temperature.
- ♦ Let the camera warm up when moving from a cold to a warm temperature.
- ♦ Do not touch the lenses of the camera.
- ♦ Do not expose the lens to direct sunlight for extended periods.

Battery information

- ♦ Turn off the camera before installing or removing batteries.
- ♦ Use only AAA alkaline or rechargeable NiMH batteries.
- ♦ Always replace batteries with two new or freshly charged batteries.
- ♦ Do not use batteries that are leaking, corroded, or damaged.
- ♦ Do not attempt to recharge non-rechargeable batteries.
- ♦ When charging rechargeable batteries, use a battery charger specifically designed for the type of battery. If the charger is designed to accommodate multiple battery types, be sure to adjust its settings to match the type of battery you are recharging.
- ♦ Remove the batteries from the camera if you are going to store it for extended periods.

CONTENTS

Introduction

Congratulations on your purchase of the SiPix StyleCam Digital Camera with Streaming Snapshot Mode! Your StyleCam has been ergonomically designed to allow you to quickly and easily take high-quality digital pictures without the trouble of buying and developing film.

The supplied software and driver enable you to view and download the images to your computer. With ArcSoft PhotoImpression you can edit the pictures with tools such as sharpen, red-eye reduction, and brightness and contrast adjustment. ArcSoft PhotoFantasy, PhotoMontage, and VideoImpression have special effect tools for creating photo fantasies and editing video clips. The Inetcam iVISTA software allows you to have a live videoconference via the Internet. StyleCam includes a USB cable that provides quick and easy image transfer from the StyleCam to your computer.

Unpacking the SiPix StyleCam

Upon receiving your StyleCam, open the carton and carefully remove the contents. If anything is missing or damaged, please contact your reseller immediately. Your package should contain the following items:

- SiPix StyleCam
- Camera pouch
- Camera wrist strap
- Tilt/swivel base
- 2 AAA alkaline batteries
- USB cable
- Software CD containing:
  - StyleCam TWAIN driver
  - ArcSoft PhotoImpression
  - ArcSoft PhotoMontage
  - ArcSoft PhotoFantasy
  - ArcSoft VideoImpression
  - Inetcam iVISTA
  - Adobe Acrobat Reader
  - Owner's Manual (PDF)
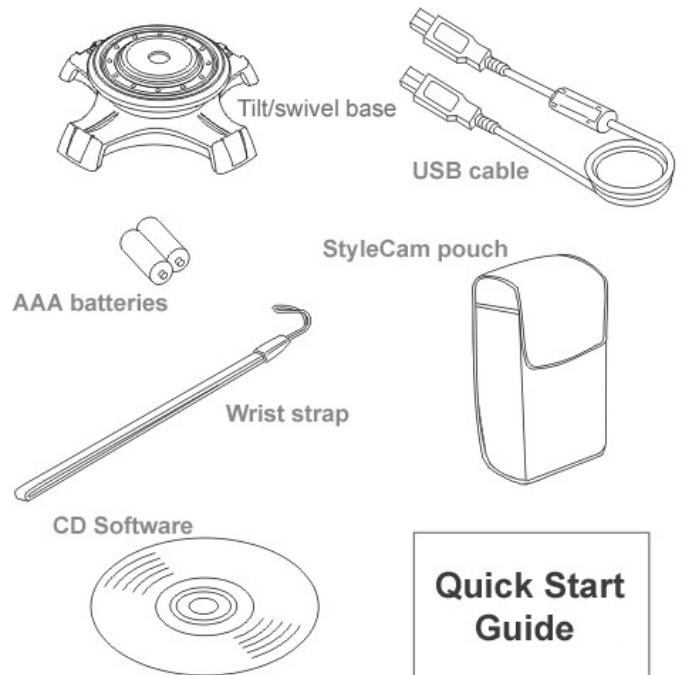
Do not throw away the packaging box away. You may need it later if you ever have to ship the StyleCam Digital Camera.

Key Features & Accessories

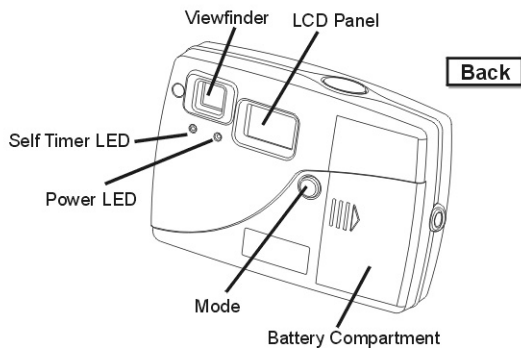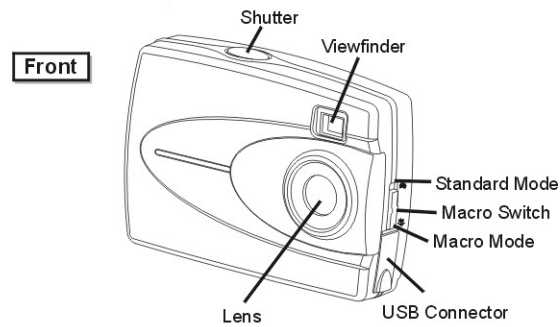The SiPix StyleCam comes with the following key features and accessories:

- Super-slim, super lightweight design
- PC camera mode 640 x 480 (VGA), 320 x 240 (CIF) & 160 x 120
- Digital camera mode 640 x 480(VGA), 320 x 240 (CIF)
- Internal 8MB memory
- Macro mode
- Continuous capture mode
- 10-second self-timer
- Auto power off after 60 seconds.
- Graphics software includes
    - ArcSoft PhotoImpression
    - ArcSoft PhotoFantasy
    - ArcSoft PhotoMontage
    - ArcSoft VideoImpression
    - Inetcam iVISTA
    - Adobe Acrobat Reader

PC requirements

- Pentium processor or higher
- Windows 98/98SE/ME/2000
- 32MB RAM or more
- 90MB available hard disk space or more
- 16-bit color display or higher
- 33.6 kbps or faster modem
- USB port
- CD-ROM drive for software installation
- Sound blaster or 100% compatible sound card (optional)
- Speakers and a microphone (optional)

Identifying Components

Please refer to the following illustrations to identify the StyleCam components:

Front

- Shutter
- Viewfinder
- Standard Mode
- Macro Switch
- Macro Mode
- Lens
- USB Connector

Back

- Viewfinder
- LCD Panel
- Self Timer LED
- Power LED
- Mode
- Battery Compartment

Icons	Description
VGA	Camera set to VGA 640 x 480 resolution
CIF	Camera set to CIF 320 x 240 resolution
16	Number of pictures taken
Full	Internal memory is full
	Outdoor mode
	Indoor mode
	Streaming Snapshot mode enabled
LSt	Delete the LAST picture taken
ALL	Delete ALL pictures
On	Self-timer ON
OFF	Self-timer OFF
	Low battery warning

Please follow the instructions below to insert the batteries.

<u>Inserting Batteries</u>

1. Make sure the Power of the camera is OFF.

2. To open the battery compartment cover on the back of the camera, slide the entire cover in the direction indicated by the arrow on the cover; the cover will slide open.

3. Note the battery polarity inside the battery compartment, and insert the batteries accordingly. Make sure you insert the batteries on top of the blue strip.

4. Close the battery compartment cover by sliding it back until it clicks.

<u>Removing Batteries</u>

1. Maker sure the camera's power is OFF.

2. To open the battery compartment cover on the back of the camera, slide the entire cover in the direction indicated by the arrow on the cover; the cover will slide open.

3. Pull on the blue strip to pop out the batteries.

4. Close the battery compartment cover by sliding it back until it clicks.

> *Note: Use only AAA alkaline or rechargeable NiMH batteries. Inserting the batteries with the incorrect polarity may cause damage to the camera or batteries.*

The instructions below will guide you through the basic functions of the StyleCam and how it operates.

HOW TO SET UP THE STYLECAM

Press the MODE button to select the function you need. (See *Identifying Components* on page 3)

The function icon on status display will blink, and then press the **SHUTTER** button until you hear two (2) beeps to select. The mode will change.

The function mode status flow is as follows:

Please refer to the icon description in Identifying Components on page 3.

HOW TO USE THE STYLECAM

Turning the Camera On/Off

1. Power ON: Press and release the MODE button, and the camera will beep.

2. Power OFF: Press and hold the MODE button until the camera beeps twice, then release the button.

3. Auto Power Off: The camera will turn off automatically if it is inactive for 60 seconds.

Selecting Image Resolution

The StyleCam has two resolution settings: VGA (640 x 480 pixels) or CIF (320 x 240 pixels).

1. Press the MODE button until the desired resolution is selected, VGA or CIF.

2. Press and hold the SHUTTER button until the camera beeps twice to select your desired setting.

Selecting An Environment

The StyleCam has two environments you can choose from: outdoor mode or indoor mode.

1. Press the MODE button to scroll to the outdoor icon or the indoor icon.

2. Press and hold the SHUTTER button until the camera beeps twice to select your desired setting.

Important Note: If the subject area is too dark, the camera will emit three beeps when the SHUTTER button is pressed, and the image will not be recorded.

<u>Taking Pictures</u>

1. Select the focus mode by sliding the FOCUS switch on the left side of the camera.

   Standard mode (90cm ~ infinity) For taking pictures in normal or long range.

   Macro mode (25cm ~ 30cm) For taking close-up pictures.

2. View your subject through the viewfinder, and press the SHUTTER button to take a picture. The camera will beep to confirm that the picture is taken.

3. The status display will show the number of pictures you have taken.

For best results when taking pictures with the StyleCam, follow these brief guidelines:

In general, avoid taking photographs in which the subject is positioned directly in front of a bright light source, or in which the subject is in close proximity to a bright light source. Photographs recorded in such conditions will often be improperly exposed.

When recording images in low light conditions, the camera requires more time to take a picture. Because of this, it is possible for the image to be blurred by either camera movement or subject movement. To avoid "camera shake", place the camera on a tripod (or table using the tilt/swivel base) when recording images of stationary subjects, or instruct your subject to remain very still when recording images of people. The best solution, however, is to increase the level of the ambient lighting, if it is possible.

When taking pictures in high-contrast lighting (extremely bright areas with extremely dark shadows), the camera will only expose one of the areas properly. To ensure that the subject receives the proper exposure, position the subject such that most of the subject is illuminated evenly (all dark or all bright), and try to fill the picture with as much of the subject as possible.

<u>Self-timer</u>

1. To set the self-timer, press the MODE button to select to the self-timer "on" icon.

2. Press and hold the SHUTTER button, and the camera will beep twice to confirm the self-timer function is enabled.

3. To take a picture, find your subject through the viewfinder, and press the SHUTTER button.

4. The self-timer LED will blink and the camera will beep for 10 seconds, until it takes a picture.

<u>Streaming Snapshot</u>

1. Press the MODE button to select the streaming snapshot mode icon. (The camera will automatically switch to CIF mode)

2. Press and hold the SHUTTER button until the camera beeps twice to confirm the mode selection.

3. To take continuous shots, find your subject through the viewfinder, and hold the SHUTTER button down to take pictures.

4. The picture counter will accumulate the number of pictures taken.

5. To stop taking pictures, release the SHUTTER button. (Or, the camera will stop taking pictures when the memory becomes full).

Deleting Pictures

Delete the last image:

1. To delete the last picture you've taken, press the MODE button until you see a trashcan icon with the letters LST showing in the status display.

2. Press and hold the SHUTTER button until you hear the beep twice.

3. The camera will then delete the last picture saved in the memory.

4. The status display will show the number of images saved on the camera.

Delete all images:

1. To delete all the pictures taken, press the MODE button until you see a trashcan icon with the letters ALL showing in the status display.

2. Press and hold the SHUTTER button until you hear the beep twice.

3. The camera will then delete ALL the images saved on the memory.

4. The status display will show zero (0) images saved on the camera.

Installing Software

The SiPix StyleCam bundles a superb collection of photo editing, video editing, and video conferencing software. These applications include ArcSoft PhotoImpression, PhotoFantasy, PhotoMontage, and VideoImpression, and Inetcam iVISTA. Inetcam™ is offering streaming live video service to SiPix StyleCam users for 60 days free of charge (follow the instructions to get your free trial). The StyleCam also comes with a TWAIN driver for downloading the images to your computer, and Adobe Acrobat Reader for viewing this manual in PDF. Please follow the instructions below to install your software.

INSTALLING THE SIPIX STYLECAM DRIVER

Note: You will be prompted to restart your computer at the end of installation. We strongly recommend you to save your work and close all applications before installing the driver.

Inserting the StyleCam CD

1. Insert the StyleCam Driver CD into your CD-ROM drive. The following installer menu will appear on your computer screen. If the menu screen does not open automatically, click Start → Run → installmgr.exe
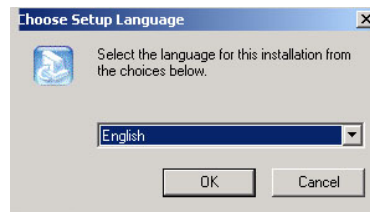

2. The Installer Menu has the following options:

   ▪ Install StyleCam TWAIN driver
   ▪ Install ArcSoft PhotoImpression
   ▪ Install ArcSoft VideoImpression
   ▪ Install ArcSoft PhotoFantasy
   ▪ Install ArcSoft PhotoMontage
   ▪ Install Inetcam iVISTA
   ▪ Install Adobe Acrobat Reader
   ▪ StyleCam Owner's Manual (PDF)

Installing the StyleCam TWAIN Driver

1. Click on Install StyleCam TWAIN driver

2. The screen will prompt you to choose a language. Select the language you want and click OK.

3. The screen will display a Welcome window, click Next to continue.

4. Follow through the instructions to complete the TWAIN driver and AVI Maker installation, and click Finish.

Note: You must restart your computer when prompted to complete the driver installation.

Installing ArcSoft software

1. Click on the Install ArcSoft PhotoImpression, Install ArcSoft VideoImpression, Install ArcSoft PhotoFantasy, or Install ArcSoft PhotoMontage button.

2. The screen will prompt you to choose a language. Select the language you want and click OK.

3. The screen will display a Welcome window, click Next to continue.

4. Follow through the instructions to complete the installation of the ArcSoft application(s), and click Finish.
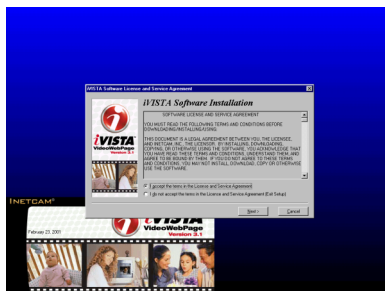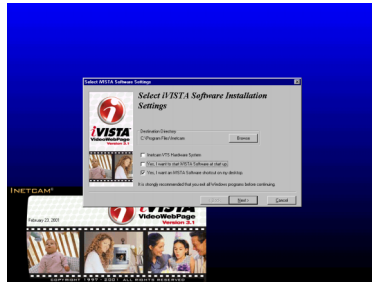

Installing Inetcam iVISTA

1. Go back to the SiPix installer menu and choose **Install Inetcam iVISTA**.
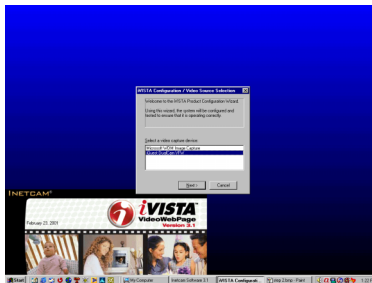

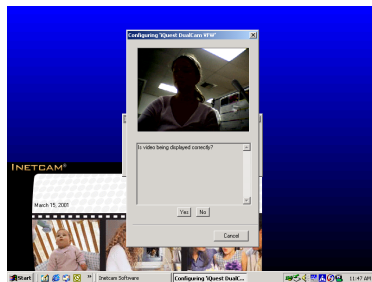2. Read the license agreement and click **YES** to continue.

3. Choose desired setting and click **NEXT**.

4. Choose **StyleCam TWAIN** as your driver and click **NEXT**.

5. Review to ensure video is working and click **YES.**

6. Enter your registration code and click **Register**.

7. Review registration information and click **OK.**

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After installing the StyleCam TWAIN driver and the utility software, you may begin downloading the images from the camera to your PC. Please follow these instructions carefully.

Connecting the StyleCam to Your PC

1. Make sure the StyleCam's power is OFF.

2. Connect one end of the USB cable to the StyleCam, and the other end to the PC's USB port on the back of your computer. (See figures below)

3. Press the MODE button to turn the StyleCam ON.

4. Windows will complete the following USB device setup in the "Device Manager":
   Listed under USB controllers:
   - StyleCam Dual-Mode DSC (Controller)
   Listed under Imaging Devices:
   - StyleCam 01 Dual-Mode DSC (Video Camera)
   - StyleCam 01 Dual-Mode DSC (Still Camera)

Transferring Images from the StyleCam to the PC

1. To open **PhotoImpression 2000** application, go to Start Menu → Programs → ArcSoft PhotoImpression → PhotoImpression 2000.

2. Click the Get Photo button.

3. Click the Camera/Scanner button, and the Select source list will appear.

4. Select StyleCam 01 DSC.

5. Choose the destination album for your pictures from the "Select album" list.

6. Click the Acquire button; the StyleCam TWAIN software window will open.

7. The pictures that you have taken will be displayed in the TWAIN window.

8. Choose the images that you want to transfer or click Select all, and then click the Transfer button.

Create *Streaming Snapshots* Using AVI Maker

The SiPix StyleCam allows you to make video clips using *Streaming Snapshot* mode. Please follow these instructions to create your own video with the AVI Maker.

<u>*Streaming Snapshot*™ Mode</u>

1. Use the Streaming Snapshot mode of the StyleCam to record a series of images.

2. Connect the StyleCam to your PC, and start the AVI Maker application. Go to: Start Menu → Programs → SiPix → StyleCam → AVI Maker
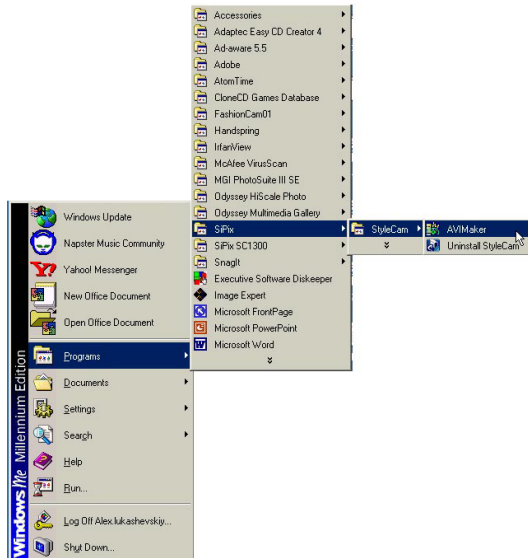
3. The application will automatically read the images from your StyleCam and display the following window:
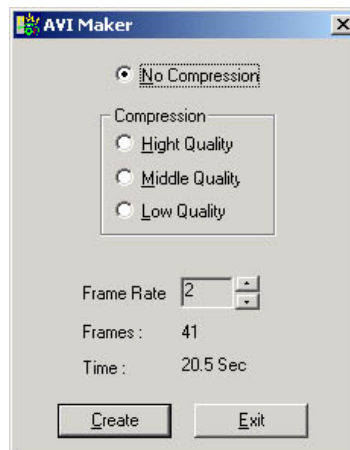
Note: The camera records approximately 3-4 frames per second. Setting the frame rate to 3 or 4 will make the video speed match. Selecting another frame rate will either speed up or slow down the video.

4. After selecting the Compression Quality and Frame Rate, click the **Create** button. A **Save As** window will open.

5. Choose a directory and type in the file name, and then click **Save**. The AVI Maker will create the video file.

6. When it is completed, the file will open using Windows® Media Player.

Note: If cancel was clicked on the Save As screen, the file will still be created. To save it, you must then use the save command in Windows Media Player.

Using the StyleCam as a PC Camera

The SiPix StyleCam allows you to connect to your computer with the supplied USB cable and use it as a PC camera. Please follow the instructions below carefully.

Connecting the StyleCam to PC

1. Set your StyleCam on the tilt/swivel base (supplied) and place it on a flat surface.

2. Connect one end of the USB cable to StyleCam and the other end of the USB cable to your computer's USB port. (Refer to *Identifying Components* on page 3)

Note: Do not disconnect the USB cable while you are using the StyleCam as a PC camera. It may lock up the computer, and require a reboot.

Using the ArcSoft VideoImpression

1. To open ArcSoft VideoImpression 1.6, go to Start Menu → Programs → ArcSoft VideoImpression → VideoImpression 1.6.

2. Click "New" icon on the left side of the VideoImpression screen.

3. Click "Acquire" icon on the left side of the VideoImpression screen.

4. The application should automatically detect your StyleCam and begin displaying the image from the camera.

Using the Inetcam iVISTA

Setting up iVISTA

1. Open the iVISTA application. Go to: Start Menu → Programs → Inetcam → iVISTA, and then open the iVISTA Control Panel.

2. From the Control Panel, click on the **Video** button on the upper right, and choose **Webcast Video**.

3. The Video icon should turn yellow to indicate you are actively webcasting.

Previewing video

In order to see what video you'll be webcasting to the world, you can preview the video on your computer. Please follow these steps to preview your video image:

1. Start iVISTA (Start-Programs-Inetcam-iVISTA) and open the iVISTA Control Panel.

2. Click the **Video** button, and then click **Preview Video**.

The live video from your camera will display in a new window on your desktop.

For more information on iVISTA or upgrading registration codes, please visit www.inetcam.com.

Troubleshooting

Problem	Possible cause	Solution
The camera has no power.	The camera is off.	Make sure that the Power indicator is red.
	The batteries are discharged.	Replace the batteries with new or freshly charged ones. Refer to page 4.
	The batteries are inserted incorrectly.	Check the battery orientation. Refer to page 4.
The camera won't take a picture.	Is the camera's power on?	The camera has auto power off after 60 seconds. Make sure the camera's power is ON before taking a picture.
	Is the camera connected to a computer?	The camera's buttons are not functional when connected to a PC. Disconnect the camera to take more pictures.
The pictures are blurry.	The Camera or subject was moving when the picture was taken.	Hold the camera steady or put it on a tripod to take pictures.

Specifications

Image Sensor	CMOS
Output resolution	640 x 480 pixels
Image capacity	VGA (640 x 480): 65 (varies) CIF (320 x 240): 180 (varies)
Internal memory	8MB SDRAM
View finder	Optical
Status display	Monochrome LCD
Focal range	35" ~ infinity (90cm ~ infinity)
Macro range	9" ~ 12" (25cm ~ 30cm)
Lens aperture	F2.0/F8.0
Lens focal length	6.3mm
White balance	Auto
Exposure adjustment	Auto
Self-timer	10 second
Image format	JPEG, AVI
Computer interface	USB
Power control	Auto power off (60 seconds)
Power source	2 AAA alkaline batteries
Tilt/swivel base	Included
Tripod socket	Included
Camera weight	2.6 oz. Without batteries (75g)
Camera dimensions	1" x 3.4" x 2.3" (24.5 x 87 x 59mm)

SiPix, Inc. warrants this hardware product against defects in material and workmanship for a period of one year from the original date of purchase as identified on the proof of purchase (your receipt). It is the end-user's responsibility to make certain this product is in working condition with the intended computer system within the one-year warranty period.

These are the sole remedies and SiPix's sole liabilities for performance or failure to perform of the product. SiPix reserves the right to change its warranty policy at any time for all products distributed after the date of such change in warranty. Except as set forth above, all other warranties whether express or implied, including but not limited to, the implied warranties of merchantability and fitness for a particular purpose are hereby excluded.

SiPix shall not be liable for incidental, special or consequential damages arising out of or related to the use or performance of the product, including, without limitation, loss of data or use of data processing facilities or equipment, regardless of whether SiPix may have been advised about the possibility of such damages arising out of use of the product shall be limited to the amounts paid by purchaser for such product.

This warranty is only valid within the boundaries and territories of the USA and Canada. SiPix is not responsible for costs incurred due to shipping, insurance, customs, or duties. SiPix is not responsible for non-traceable packages or packages shipped without a valid RMA number on the outside of the package.
This warranty does not apply if the product has been damaged by an accident, electrical fault, through misuse or abuse. If the product has been altered without written authorization from SiPix, the warranty will be void.

This warranty applies only to hardware products manufactured by or for SiPix. Warranted products must bear the "SiPix" brand name, trade name, or logo. The aforementioned warranty and remedies are exclusive, and in lieu of all others, whether oral, written, expressed or implied. SiPix specifically disclaims any and all implied warranties of merchantability and fitness for a particular purpose.

SiPix is not responsible for incidental or consequential damages resulting from any breach of warranty. SiPix is not responsible under any other legal theory, including, but not limited to lost profits, and any cost of recovering reprogramming or reproducing any program or data stored in or used with SiPix products.

If your SiPix product needs to be returned for repair, you must contact SiPix technical support prior to shipment for an RMA number before sending in the product. **The RMA number is a Return Merchandise Authorization number. SiPix will refuse all shipments without a proper RMA number.** The RMA number **MUST** be printed on the outside of the original shipping carton in large print written in black ink next to the shipping label. Failure to properly pack shipment could cause serious damage to the product and void the warranty.

Should any defect(s) be discovered, the product may be returned to SiPix with a valid RMA number. If you are returning product for repair, please be sure to do the following:

1. Call SiPix Customer Support Mon-Fri during regular business hours toll free at 866-888-1678 and obtain an RMA (Return Merchandise Authorization) number.
2. Print your RMA number on the OUTSIDE of the original shipping carton in large print written in black ink next to the shipping label.
3. Include a copy of the bill of sale with the returned product.
4. Unless otherwise instructed, do not return any manuals or software when returning items for repair.
5. Ship to SiPix via a traceable shipping method and retain the tracking number.

Note: This product is intended for use only within the boundaries and territories of the United States and Canada. If you purchased this product in Mexico or South America and need assistance or repair, you must contact your originating reseller for service and support. SiPix Imaging, Milpitas CA, will not accept any shipments from outside the boundaries and territories of the USA and Canada. SiPix often bundles many different third party software options with its products. If any of these options were ordered with your SiPix product and they appear to be missing or incorrect, contact your reseller immediately.

Technical Support

SiPix provides technical support at no cost during the one-year warranty period. Users with questions or concerns of a technical nature should first refer to the product manual, as usage and troubleshooting information is provided in detail. For additional information or assistance, users should visit the SiPix Web-site, as tutorials, updated drivers, frequently asked questions and news updates are available. www.sipix.com/support

Should you require further assistance, you may contact SiPix technical support representatives by calling:

- Technical Support within one-year (in warranty) call toll free: 866-888-1678
- Technical Support after one-year (out of warranty) call: 408-719-5076

SiPix Technical Support is available from 8 AM to 6 PM PST, Monday through Friday, and from 9 AM to 5 PM Saturday, excluding holidays.